DAIM-ED

1 4 FEB 2005

MEMORANDUM FOR SEE DISTRIBUTION

SUBJECT: Minimum Automation Requirements and Current Status of Army Environmental Software Systems for FY 2005

1. References:

   a. Memorandum, HQDA, DAIM-ED, 1 Apr 02, subject: Updated Minimum Automation Requirements to Support Environmental Security Functions and Status of DESCIM Systems.

   b. Memorandum, CIO/G-6, NEST-EST-A, 3 Jul 03, subject: Common Access Card (CAC/Public Key Infrastructure (PKI)) Implementation.

   c. Status of Army Environmental Software Systems, enclosure 1.

   d. Automated Information System (AIS) Requirements, enclosure 2.

2. This memorandum provides the yearly update to reference 1a that disseminated guidance on required automation hardware and software that Headquarters, Installation Management Agency (HQ IMA), Regions, MACOMs, and installations should have to support environmental AIS. The memorandum reflects the updated guidance of the automation requirements for the current/planned Army environmental software systems.

3. Data management and reporting systems are continually evolving to facilitate and enhance Army environmental management processes. The Office of the Director of Environmental Programs (ODEP) and the US Army Environmental Center (USAEC) will support the following Army Systems (see enclosure 1 for detailed descriptions):

   a. Army Environmental Reporting Online (AERO).
   b. Army Environmental Database-Compliance Cleanup (AEDB-CC).
   c. Army Environmental Database-Restoration (AEDB-R).
   d. Army National Environmental Policy Act Online Repository (NEPA Online).
   e. Defense Environmental Network & Security eXchange (DENIX).
   f. Environmental Performance Assessment System (EPAS).
   g. Environmental Program Requirements Web (EPRWeb).
   h. Environmental Program Requirements Web-Review (EPRWeb-R).

DAIM-ED   14 Feb 2005
SUBJECT: Minimum Automation Requirements and Current Status of Army
Environmental Software Systems for FY 2005

     i.   Environmental Quality Report (EQR).
    j.   Army Environmental Database-Environmental Quality (AEDB-EQ).
    k.   Environmental Restoration Information System (ERIS).
    l.   Environmental Restoration Information System (ERIS) - Range.
   m. Installation Status Report (ISR) Environment Web Application.
    n. Reimbursable Programs Tracking System (RPTS).

4. Any new applications deployed in FY 2005 are subject to the same requirements
outlined in this memorandum and associated enclosures.

5. It is essential that HQ IMA, Regions, MACOMs, and installation environmental staff
have the automation technology needed to accomplish their mission and to run
current/future Army software. The updated AIS requirements outlined in reference 1d
should suffice for the current and planned versions of the Army modules. At the
installation level, all actions necessary to address these AIS requirements should be
closely coordinated between appropriate environment and information management
offices.

6. For further information, please contact the USAEC Help Desk at (410) 436-1244 or
USAECHelpDesk@aec.apgea.army.mil.

FOR THE ASSISTANT CHIEF OF STAFF FOR INSTALLATION MANAGEMENT:

2 Encls   CHRISTOPHER E. SCHUSTER
as   Colonel, GS
                                           Director, Environmental Programs

Status of Army Environmental Software Systems
The Office of the Director of Environmental Programs (ODEP) and the US Army Environmental Center (USAEC) are committed to supporting the following Army Systems:

- The Army Environmental Reporting Online (AERO), *The Next Generation AEDB*, is the Army's One-Stop Shop for Environmental Data. The AERO is a state-of-the-art portal to Army Environmental Reporting Systems, News and Information, E-Library, People Search, Event Calendars and Reports Tools. With a single username and password, AERO grants users access to all of their Army Environmental Reporting Systems. Designed for professionals who sustain the environment and support the Army's readiness mission, AERO presents a newly organized interface, improves data quality, provides timely reporting and facilitates information sharing across the Army.

- The Army Environmental Database-Compliance Cleanup (AEDB-CC), a module of the AEDB, was developed to facilitate the management of Compliance-Related Cleanup. This module effectively and efficiently collects and manages information associated with contamination resulting from operations that have occurred since October 1986 at active, BRAC, excess, and special installations. The AEDB-CC combines phase schedules, cost estimates, program funds, and other installation and site information for auditable and defensible reporting. In addition, AEDB-CC is equipped with features such as Separate Navigation and Work Areas, Interactive Help feature, Spell check, Multiple Real-time System Validations, and Customized Reports to ease usability.

- The Army Environmental Database-Restoration (AEDB-R), a module of AEDB, is designed to facilitate restoration data collection, accessibility and management according to Defense Environmental Restoration Program (DERP) guidelines. The AEDB-R integrates the functionality of phase scheduling, cost estimating and programmed funding and other installation, range and site information for auditable and defensible reporting. The AEDB-R is a real-time, web-based application equipped with Phase-to-Phase Validations of Requirements and Programmed Amounts, Separate Navigation and Work Areas, Interactive Help, Multiple System Validations at the Site, Installation, BRAC and Data Submission levels, and Customized Reports to ease usability.

- Army NEPA Online Repository (NEPA Online) is a web-based repository that provides a centralized storage area for the Army's NEPA related documentation. The system allows an authorized user the ability to perform on-line searches and download documentation directly to their workstation, as well as to upload documents for inclusion in the repository. The Department of the Army released guidance directing all Army proponents to send electronic copies of final NEPA documents to USAEC. There are multiple methods for submitting a document for inclusion in NEPA Online: e-mail the document to the USAEC Records Management Office or submit the document electronically via the application. The NEPA Online is equipped with several search and retrieval features to ease usability including Quick Search, Full Text Search, Advance Search and Upload/ Download functions.

- The Defense Environmental Network & Information eXchange (DENIX) is the central platform and information clearinghouse for Environment, Safety, and Occupational Health (ESOH) news, information, and policy and guidance for the DOD community worldwide. The DENIX offers several features to ESOH professionals such as a document library, a gateway to web-based environmental compliance tools, an interactive workgroup environment, and a variety of groupware tools. In addition, DENIX provides an up-to-date resource to assist in preserving and protecting the natural environment, providing a safer and healthier work environment, and meeting the readiness and compliance needs of Congressional and DOD ESOH requirements.

Status of Army Environmental Software Systems

- The Environmental Performance Assessment System (EPAS) is a web-based system developed to provide the Army and Garrison Commanders (GCs) with a single efficient and effective tool to achieve, maintain, and monitor environmental compliance. The EPAS provides a user interface to collect findings based on internal and external environmental compliance assessments. The EPAS assessments identify non-compliance with environmental regulations and non-conformance with the ISO 14001 environmental performance standards, provide suggestions for both immediate and long-term corrective actions, and indicate resources needed for implementation. Internal assessments are conducted by full-time installation staff and external assessments are scheduled and conducted based on installation risk levels associated with installation mission, past environmental performance, and sustainability challenges. The findings from internal and external assessments are documented in the Installation Corrective Action Plan (ICAP).

- Environmental Program Requirements Web (EPRWeb) is the primary mechanism used Army-wide to identify and document all current and projected out year environmental requirements needed to effectively execute The Army's Environmental Quality program. Each environmental project requirement is tracked from the moment it is initially identified until it is completed or discontinued. This system provides a basis for defending and supporting environmental programs in the Programming, Planning, Budgeting and Execution System (PPBES) process to Congress, Office of the Secretary of Defense (OSD), and The Army leadership. Starting FY 2005, Compliance-related Cleanup data is no longer reported in EPRWeb; it is reported via AEDB-CC. The Environmental Program Requirements-Review (EPR-R) is a module of EPRWeb used Army-wide to review projects reported via the Environmental Program Requirements Web (EPRWeb). Army environmental managers utilize a unique quality assurance/quality control (QA/QC) process to determine if the projects are acceptable or require further review. The ODEP uses the results of the USAEC QA/QC review as a baseline to determine Army-wide funding for environmental projects.

- The Environmental Quality Report (EQR) serves as a primary source of information for conveying the Army's environmental status to Senior Army Leadership, DOD, and Congress. The EQR tracks Army compliance with environmental laws for multi-media reporting and management areas through Inspections, Enforcement Actions (ENFs), Permits, and other program parameters on a quarterly basis. This information collected in EQR is used for the Army's input to the DOD Environmental Quality Report to Congress (RCS-1997). The EQR also includes information regarding archeological resources, pest management measures of merit, reforestation, and threatened and endangered species. Recent additions include program management for Environmental Management System (EMS) Implementation Metrics and Environmental Quality Control Committee (EQCC). The EQR is currently being rewritten as Army Environmental Database–Environmental Quality (AEDB-EQ), a module of AEDB. The first component of AEDB-EQ, the Enforcement module (AEDB-EQ ENF), includes the capability to create and process Enforcement Actions, Findings, Milestones, and ZeroNOV notifications. Upcoming features to be integrated into the AEDB-EQ system will facilitate data collection, accessibility, and management of compliance, conservation, pollution prevention, EMS, and EQCC data.

Status of Army Environmental Software Systems

- The Environmental Restoration Information System (ERIS) is a web-based data storage and retrieval system that provides centralized access to Army environmental restoration field data. The ERIS allows rapid data entry for environmental professionals via a batch upload to Chemical, Geological, Geographical, and Remedial components. The ERIS will help fulfill the Army's requirement under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA)/Superfund Amendments and Reauthorization Act of 1986 (SARA) to retain environmental data for 50 years. The system is equipped with a Geographical Information System (GIS) Viewer to provide a spatial view of installation data.

- The Environmental Restoration Information System (ERIS) - Range is a web-based, data storage and retrieval system that provides centralized access to Army Range field data. This system provides a repository of information on the impact of live fire training and testing on the environment. Installation Project Managers involved in environmental remediation can use ERIS-Range to access site-level data to support decision-making during remedial actions. This system is equipped with a Batch Upload feature to ease data entry. The next version of ERIS Range v2.0, will feature a Geographical Information System (GIS) Viewer to provide a spatial view of installation data. The GIS Viewer also allows users to run reports by selecting sampling locations on a map.

- The Installation Status Report (ISR) Environment web application measures installation readiness as impacted by environmental conditions. The ISR-Environment assesses qualitative and quantitative macro-level conditions of the installation environmental program against Army and DOD standards derived from Army short-term and long-term objectives, DOD Measures of Merit, and other management indicators. Within the overall ISR web application is the Installation Command Viewer (ICV), which is an integrated executive information system that allows GCs and managers at all levels to view and process ISR data for the current data collection cycle as well as view historical data back to 1997 for all components of ISR: Infrastructure, Environment, and Services. The GCs and environmental media managers also can use ICV to view the status of their installation across components as well as assess year-to-year trends.

- The Reimbursable Programs Tracking System (RPTS) is a web-based application designed to increase efficiency in managing the Army's forestry and agricultural grazing out lease programs, and fish and wildlife conservation resources. The RPTS provides an automated financial budgeting and reporting mechanism for the installations, MACOMs/Regions, Installation Management Agency (IMA) Regions, Headquarters, US Army Corps of Engineers (USACE) Districts, and Defense Finance and Accounting Service (DFAS) offices. The RPTS allows entering/updating of records and can generate various reports.

Enclosure 2

Automated Information System (AIS) Requirements		
HARDWARE/SOFTWARE CONFIGURATION		
	Minimum	**Standard**
Computer	• Pentium II 500 MHz or equivalent processor • 256 MB memory • 20 GB hard disk • 24x CD ROM drive • DOD CAC-compatible reader (USB, PCMCIA, serial port, or keyboard); • Super VGA (800x600 resolution) or higher resolution monitor with 256 colors	• Pentium IV 1Ghz or better • 512 MB memory or better • 40 GB hard disk or better • 24X CD-RW drive • DOD CAC-compatible reader (USB, PCMCIA, serial port, or keyboard); • Super VGA (1024x768 resolution) or higher resolution monitor, with 256 colors.
Software	• Microsoft Internet Explorer (Version 6 SP1 and cumulative security patch or higher) • Browser must be Java capable and have the capacity to accept cookies and certificates • Microsoft Access for ad hoc queries • Windows 2000 • CAC/PKI Class 3 middleware* • All current security patches • Adobe Acrobat Reader 6	• Microsoft Internet Explorer (Version 6 SP1 and cumulative security patch or higher) • Browser must be Java capable and have the capacity to accept cookies and certificates • Crystal Reports, or IQ for ad hoc queries • Windows 2000 SP4 or Windows XP Pro SP1 • CAC/PKI Class 3 middleware* • All current security patches • Adobe Acrobat Reader 6
Communications	• 56kbps modem connection to WWW	• LAN connection with broadband (T1 link) for Internet WWW access

*Source for this reference is "Update for Implementation of Public Key Infrastructure and Common Access Card and the Public Key Enabling of Applications, Web Servers, and Networks in the Department of the Army," 29 July 2002.